UNITED STATES SPECIFICATION

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT We, Lucretia Sessano; and Vincent Sessano both United Sates citizens, residing at 27 Bellain Avenue, Harrison, NY 10528 and Keith Bonnes and Kenneth Bonnes both United States Citizens residing at 44 Jean Drive Cortlandt Manor, NY 10567 and 351 Liberty Street Beacon, NY respectively,

have invented certain new and useful improvements in a

SAFETY AID STATION FOR CONSTRUCTION PROJECTS

of which the following is a specification.

CROSS REFERENCE TO RELATED APPLICATIONS

This application claims priority from U.S. Provisional application serial no. 60/472,040 filed on May 20, 2003 wherein priority is claimed under 35 U.S.C. 119(e).

BACKGROUND OF THE INVENTION

Other types of construction site stations or safety stations are known in the art such as U.S. Patent Nos. 3,543,890 to *Criswell;* 5,951,129 to *Stein;* D321,417 to *Flannagan;* 3,254,756 to *Rankin;* 4,437,568 to *Hamblin;* 5,598,923 to *Owens;* 4,513,866 to *Thomas;* 4,131,327 to *Marshall;* 4,828,113 to *Friedland* all incorporated herein by reference.

SUMMARY OF THE INVENTION

The invention relates to a construction site safety station wherein this safety station is in the form of a portable device that can be folded up and transported from one site to another.

Essentially, the invention relates to a safety station for a construction site comprising a housing that can include

a retractable stand coupled to the housing. This retractable stand can include a plurality of legs coupled to this housing. These legs are retractable into the housing in either a telescoping manner or by having the legs set in two parts wherein these legs can be folded up into the housing via a hinge.

There is also a backboard coupled to the housing wherein coupled to the backboard are a plurality of tools. In this case, covering the backboard is a cover which covers the plurality of tools on the backboard. This cover is movably attached to this housing. In this case, the cover can be moved along this housing for opening and closing access to this housing. In addition, instead of having a slidable cover, the housing can include a set of french doors which allow access into the housing.

The purpose of this invention is to provide safety for all types of construction workers and to save money for the construction contractors. This safety station helps to reduce job accidents and therefore aids the contractor in reducing insurance costs and OSHA fines.

The stand can be made from anodized aluminum. Fastened to the easel stand is a storage cabinet with a door. The cabinet can have a handle and a lock. The storage cabinet can be approximately 42" wide and 40" in height with a thickness of about 10".

In a first embodiment of the invention wherein with a slidable cover, when the cover is swung open, it creates a protective roof for the station.

All of the accessories in the station can be fastened to the storage cabinet magnetically. These safety elements such as goggles, safety reports, dust masks, etc can be inserted into an aluminum container and then fastened to a magnetic strip that is then attached to a ferromagnetic backing on the cabinet for receiving the aluminum container.

Alternatively, the safety goggles dust masks, ear plugs, gloves and safety reports may be contained in clear individually covered clear rigid plastic or equivalent plastic containers that are clearly marked. The clear, rigid plastic containers may be fastened to the back wall either with a magnetic strip or by using bolts that would bolt into

a back wall or backboard that is not ferromagnetic but rather a drillable backboard such as plywood or pressboard.

BRIEF DESCRIPTION OF THE DRAWINGS

Other objects and features of the present invention will become apparent from the following detailed description considered in connection with the accompanying drawings. It should be understood, however, that the drawings are designed for the purpose of illustration only and not as a definition of the limits of the invention.

In the drawings, wherein similar reference characters denote similar elements throughout the several views:

FIG. 1 is a side view of a first embodiment of the device;

FIG. 2 is a back view of the embodiment shown in FIG. 1;

FIG. 3 is a front view of the embodiment with the front cover open; and

FIG. 4 is a front view of a second embodiment of the invention wherein the front doors are closed.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Turning now in detail to the drawings, FIG. 1 shows a side view of the device 10 which includes a front cover 12 which has at least one eye 14 for allowing the front cover to slide along legs 21 having a track 17a. There is also an ear or a lock element 16 with a bolt to hold a sliding door 12 to a frame 15.

In addition, there are a plurality of legs 21, and 23 which form an easel type structure along with a leg support 22 which can be folded down and used to fix legs 21 and 23 in place. At a top end, legs 21 and 23 can connect to a hinge 18 wherein legs 21 and 23 can rotate out to form an easel type structure. Leg support 22 is coupled to leg 21 via a hinge connection 25. Leg support 22 has an indentation 22a that allows leg support 22 to attach over a pin 24 disposed on leg 23. Disposed on leg 21 is a clip 20 for support of leg 22 when this leg is not in use.

There are holes 26a and 26b disposed in legs 21 and 23 wherein holes 26a and 26b are designed to receive detents disposed on additional legs 27 and 29 wherein these detents are designed to lock legs 27 and 29 in place. There are also detents 30 which can be used to lock legs 27 and 29 in place when legs 27 and 29 are slid up into legs 21 and 23.

Essentially, in this embodiment, legs 21 and 23 are used to support frame or housing 15 above a surface when the device is set up for display. These legs 21 and 23 can thus be folded together while additional legs 27 and 29 can slide up into legs 21 and 23 respectively in a telescoping manner.

Alternatively, legs 27 and 29 could fold up on a hinge 19 (See FIG. 2) into legs 21 and 23 such that these legs are set in a retracted position.

As shown in FIG. 1, essentially, lines 28 can be considered dividing lines between top legs 21 and 23 and bottom legs 27 and 29.

FIG. 2 is a back end view of the device shown in FIG. 1. In this case, there are shown hinges 18 that are coupled to

legs 23a and 23b. In this view there is a locking handle 22 which can be used to lock the entire device up such that when the device is locked up it forms a portable suitcase type structure. In this view, a back end plate is not shown such that when the device is locked in place in a closed position, a back end plate (not shown) is coupled in this closed position along with front cover 12 to form a closed suitcase.

There are also shown eye bolts 34 for use with a strap 26 wherein strap 26 can be coupled to bolts 34 and used to carry the device once it is locked in place via lock 22. This strap can be used in the form of a luggage strap wherein a user can then carry the device on his or her shoulder when transporting this device.

In this view, hinges 18 are shown wherein as described above, a front cover 12 is slidable along tracks 17a and 17b which allow cover 12 to be selectively moved to open an opening in housing 15. Essentially, cover 12 slides on rails 17a and 17b via pin 14 up and over legs 21 and 23 wherein cover 12 is then used to form a roof or shade cover for this display (See FIG. 1.)

FIG. 3 shows an open view of the device wherein in this view, there is shown support legs 27a and 27b which extend down to support housing 15. Disposed in housing 15 are a plurality of different safety components. These safety components include glass wipes 52, safety glasses 54, dust masks 56 and ear plugs 58.

In addition, there is shown a housing for an eye wash kit 46, a housing for a first aid kit 48 and a compartment for gloves 55. A safety helmet 44 can be coupled in a releasable manner to housing 15. In addition, a fire extinguisher 45 is coupled to this housing. In this case, there is also a compartment for storing safety reports 42 wherein safety reports relating to a construction project can be stored in this section. All of the housings or compartments for housing this safety equipment can be in the form of a clear plastic housing which can include a fastener such as t42a, 44a, 45a, 46a, 48a, 52a, 54a, 56a, and 58a associated with the above listed elements wherein these fasteners can be in the form of a magnetic strip or an element on the back of the above safety devices in the form of a loop for attaching to a hook on the backing. Alternatively a bolt can be fastened into the back wall

wherein the back wall can be in the form of a drillable material such as pressboard, particle board, plastic or any other type material.

An additional embodiment shown in FIG. 4 shows a device having a cover 15 that essentially comprises a set of french doors 70 and 72 which can swing open to allow a user access to the safety components. In this case the french doors 70 and 72 are coupled to housing 15 via hinges 60, 62, 64, and 66 respectively. With this design as with the design described above, there is a device that can be easily transported and easily set up for display and use.

Essentially, this device is designed to allow a construction team to set up a safety station wherein this safety station can be easily transported and then set in place wherein the legs associated with the device can be easily unfolded to allow the device to be set up.

Accordingly, while a few embodiments of the present invention have been shown and described, it is to be understood that many changes and modifications may be made thereunto without departing from the spirit and scope of the

invention as defined in the appended claims.